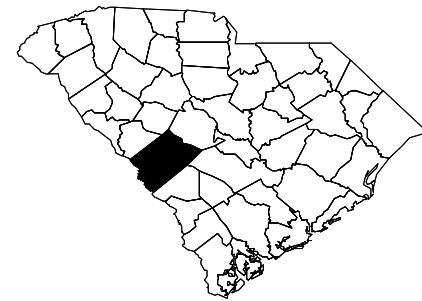


IMPACT OF CHRONIC CONDITIONS AIKEN County, 2001



In the year 2001, the leading causes of death among South Carolinians were heart disease, cancer, stroke, accidents, chronic lower respiratory disease, diabetes, pneumonia, influenza, Alzheimer's disease, septicemia, nephritis, nephritic syndrome and nephrosis. This report focuses on the chronic conditions of the population of Aiken county, and is compared to the overall chronic conditions of the population of South Carolina as a whole.

The distribution of Aiken county's population is similar to the state population. The majority (38%) of the population in Aiken county are between the ages of 18-44. However, there are more females (52%) than males (48%). Aiken county has a slightly lower minority population (27%) than the state (31%). When adults in Aiken county were asked about their general health status, 88.3% reported having excellent, very good, or good health in 2001 (SC was 85%).

	AIKEN COUNTY	STATE
Population size	143,905	4,063,011
Age distribution (%)		
<18	26	25
18-44	38	40
45-64	23	23
65-84	12	11
85+	1	1
Race (%)		
White	73	69
Black & Other	27	31
Sex (%)		
Male	48	49
Female	52	51

In spite of the overall reports of good health given by the citizens of the Palmetto State, chronic conditions are still making an impact on the health of many South Carolinians. Through primary and secondary prevention we hope to reduce the risk factors that contribute to the major chronic diseases and leading causes of death among South Carolinians.

The chart below contains the risk factors that contribute to an increased risk of developing a chronic condition. These risk factors are related to the major causes of morbidity and mortality among South Carolinians. Some common behavioral risk factors that contribute to the leading causes of death are smoking, sedentary lifestyle, obesity, and high cholesterol. The prevalence of these risk factors from the 2001 South Carolina Behavioral Risk Factor Surveillance System (BRFSS) survey are listed in the table below for Aiken County.

RISK FACTOR	COUNTY (%)	STATE (%)
Current smoking	29	26
Sedentary lifestyle	49	40
Overweight	62	57
High Cholesterol	30	28

Some preventive measures such as immunization were included in the 2001 SC BRFSS. For persons of age 65 and older in South Carolina:

33.8% have not received the flu shot in the past 12 months

42.1% have never had the pneumonia vaccination.

Hospital/ER data in the following tables include ONLY those cases treated in SC hospitals. Cases treated in hospitals outside of SC are NOT included.

HYPERTENSION	County					State
	Total	Blacks	Whites	Males	Females	Total
Prevalence (%)	30	.	.	.	.	28.6
Number of hospitalizations	92	54	38	35	57	5,141
Standard rate of hospitalizations (per 100,000)	63	168	33	52	70	129
Median age of hospitalized patients	63	58	73	58	68	63
Total cost of hospitalization (\$)	1,134,900	577,900	557,000	451,800	683,100	69,702,200
Average length of hospital stay (days)	4	4	5	4	4	5
Number of ER visits	107	70	37	38	69	7,398
Standard rate of ER visits (per 100,000)	73	209	32	55	89	184
Median age of ER patients	53	48	63	58	48	53
Total cost of ER visits (\$)	74,200	47,100	27,100	24,900	49,300	5,124,800
Number of deaths*	25	14	11	10	15	336
Standard death rate (per 100,000)*	17	37	11	14	20	8

HEART DISEASE	County					State
	Total	Blacks	Whites	Males	Females	Total
Prevalence (%)	5.71	.	.	.	.	4.15
Number of hospitalizations	597	97	500	366	231	30,127
Standard rate of hospitalizations (per 100,000)	405	330	423	553	280	749
Median age of hospitalized patients	68	63	68	63	73	68
Total cost of hospitalization (\$)	19,603,500	2,878,600	16,724,900	13,254,900	6,348,600	803,069,600
Average length of hospital stay (days)	3	3	3	3	3	5
Number of ER visits	59	9	50	38	21	2,753
Standard rate of ER visits (per 100,000)	41	31	43	57	26	69
Median age of ER patients	63	63	63	63	63	63
Total cost of ER visits (\$)	153,000	19,800	133,200	96,400	56,600	8,890,500
Number of deaths*	348	94	253	170	178	9,496
Standard death rate (per 100,000)*	242	250	242	245	239	233

STROKE	County					State
	Total	Blacks	Whites	Males	Females	Total
Prevalence (%)	4.01	.	.	.	.	2.45
Number of hospitalizations	299	82	217	148	151	14,626
Standard rate of hospitalizations (per 100,000)	209	286	190	248	183	374
Median age of hospitalized patients	73	68	73	73	73	73
Total cost of hospitalization (\$)	5,577,300	1,664,200	3,913,100	2,956,900	2,620,400	255,038,000
Average length of hospital stay (days)	6	7	6	7	6	6
Number of ER visits	49	14	35	18	31	2,754
Standard rate of ER visits (per 100,000)	36	48	32	36	37	70
Median age of ER patients	78	65	78	75	78	73
Total cost of ER visits (\$)	123,700	35,400	88,300	37,300	86,400	5,239,900
Number of deaths*	90	27	63	32	58	2,829
Standard death rate (per 100,000)*	63	72	60	46	78	70

CHRONIC OBSTRUCTIVE PULMONARY DISEASE	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	277	49	228	99	178	15,100
Standard rate of hospitalizations (per 100,000)	188	151	197	150	221	377
Median age of hospitalized patients	63	58	63	63	63	58
Total cost of hospitalization (\$)	3,229,800	592,500	2,637,300	1,129,900	2,099,900	159,179,500
Average length of hospital stay (days)	5	5	5	4	5	5
Number of ER visits	1,059	533	526	440	619	42,599
Standard rate of ER visits (per 100,000)	737	1,279	510	618	841	1,053
Median age of ER patients	23	18	33	13	33	33
Total cost of ER visits (\$)	655,400	308,000	347,400	254,700	400,700	24,732,100
Number of deaths*	60	4	56	34	26	1,728
Standard death rate (per 100,000)*	42	11	54	49	35	43

DIABETES	County					State
	Total	Blacks	Whites	Males	Females	Total
Prevalence (%)	6.9	.	.	.	.	8.13
Number of hospitalizations	175	88	87	92	83	8,620
Standard rate of hospitalizations (per 100,000)	121	277	78	139	104	213
Median age of hospitalized patients	58	58	58	50	63	53
Total cost of hospitalization (\$)	2,207,800	913,400	1,294,400	1,255,200	952,600	115,143,100
Average length of hospital stay (days)	5	4	6	6	5	6
Number of ER visits	220	116	104	77	143	8,748
Standard rate of ER visits (per 100,000)	150	365	92	118	180	217
Median age of ER patients	58	53	58	48	58	53
Total cost of ER visits (\$)	215,600	105,400	110,200	84,400	131,200	6,417,300
Number of deaths*	50	17	33	20	30	1,089
Standard death rate (per 100,000)*	35	45	32	29	40	27

ALL CANCERS	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	475	149	326	187	288	24,857
Standard rate of hospitalizations (per 100,000)	326	469	285	300	364	618
Median age of hospitalized patients	63	53	68	68	58	58
Total cost of hospitalization (\$)	10,534,500	3,181,300	7,353,200	5,065,200	5,469,300	528,562,000
Average length of hospital stay (days)	6	7	6	8	5	6
Number of deaths*	330	74	255	190	140	8,262
Standard death rate (per 100,000)*	229	197	244	274	188	203

COLORECTAL CANCER	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	50	14	36	25	25	2,057
Standard rate of hospitalizations (per 100,000)	34	51	31	40	30	52
Median age of hospitalized patients	68	68	70	68	73	68
Total cost of hospitalization (\$)	1,187,000	330,200	856,800	500,000	687,000	65,269,600
Average length of hospital stay (days)	8	8	8	7	9	10
Number of deaths*	28	7	21	17	11	818
Standard death rate (per 100,000)*	20	19	20	25	15	20

BREAST CANCER	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	37	9	28	.	37	1,650
Standard rate of hospitalizations (per 100,000)	25	27	24	.	46	41
Median age of hospitalized patients	58	48	63	.	58	63
Total cost of hospitalization (\$)	483,500	103,500	380,000	.	483,500	19,973,100
Average length of hospital stay (days)	3	5	3	.	3	2
Number of deaths*	26	5	21	-	26	595
Standard death rate (per 100,000)*	18	13	20	-	35	15

CERVICAL CANCER	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	3	.	3	.	3	255
Standard rate of hospitalizations (per 100,000)	2	.	3	.	4	6
Median age of hospitalized patients	48	.	48	.	48	48
Total cost of hospitalization (\$)	47,000	.	47,000	.	47,000	3,859,300
Average length of hospital stay (days)	4	.	4	.	4	4
Number of deaths*	3	2	1	.	3	69
Standard death rate (per 100,000)*	4	5	1	.	4	3

LUNG CANCER	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	58	14	44	34	24	2,294
Standard rate of hospitalizations (per 100,000)	38	43	36	50	30	57
Median age of hospitalized patients	65	55	68	68	58	68
Total cost of hospitalization (\$)	1,969,100	586,200	1,382,900	1,301,600	667,500	60,724,100
Average length of hospital stay (days)	11	13	10	12	9	8
Number of deaths*	91	19	72	58	33	2,543
Standard death rate (per 100,000)*	63	51	69	84	44	63

PROSTATE CANCER	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	22	11	11	22	.	1,335
Standard rate of hospitalizations (per 100,000)	15	38	10	36	.	33
Median age of hospitalized patients	70	68	73	70	.	68
Total cost of hospitalization (\$)	352,800	187,100	165,700	352,800	.	21,303,500
Average length of hospital stay (days)	3	4	3	3	.	4
Number of deaths*	19	8	11	19	.	499
Standard death rate (per 100,000)*	27	21	11	27	.	25

*Mortality data were provided by Division of Biostatistics, Office of Public Health Statistics and Information Systems, DHEC using ICD-10 codes.

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